

Determination of Boiling Equilibria of Nitrogen-Argon-Oxygen Mixtures at 1000 Torr, by Joseph Weisaupt, 6 pp.

GERMAN, per, Angewandte Chemie, Vol XX B, 1948, pp 321-326.

US Dept of Commerce
National Bureau of
Standards (Gift)

Sci - Chemistry

43,011

63-14977

Kiermeier, F.
INFLUENCING THE KEEPING QUALITIES OF FOOD-
STUFFS (A PROBLEM OF TECHNICAL BIOCHEMIS-
TRY) (Beeinflussung der Haltbarkeit von Nahrungsmitteln:
Eine Aufgabe der Technischen Biochemie). [1963] [20]p.
(foreign text included) 37 refs.
Order from SLA \$1.60

63-14977

Trans. of Angew[andte] Chem[ie] (West Germany)
1948, v. 60, no. 7/8, p. 175-179.

DESCRIPTORS: Preservation, *Foods, Storage,
Quality control, Biochemistry.

(Food, TT, v. 10, no. 6)

1. Kiermeier, F.

Office of Technical Services

60-23245

Gericke, S.
THE STUDY OF PHOSPHATES [PTS.] 4-8, tr. by
Bertha P. Klenova. 1949-53 [26] p. 6 refs. [No.] 2801
Order from OTS or SLA \$2.60 60-23245

Trans. of Angew[andte] Chem[ie] (West Germany)
1948, v. 60, p. 98-99; 1949, v. 61, p. 410-411;
1951, v. 63, p. 193-194; 1952, v. 64, p. 164-165;
and 1953, v. 65, p. 59-61.

DESCRIPTORS: *Phosphates, *Silicates, *Fertilizers,
Production, Fused materials, Electrodialysis,
Chemical analysis.

(Chemistry--Inorganic, TT, v. 8, no. 1)

- I. Gericke, S.
- II. TVA-2801
- III. Tennessee Valley Authority,
Wilson Dam, Ala.

5-16-62

Office of Technical Services

The Chemistry of the Autoxidation of Olefinic Acids,
by H. Taubel, H. Rothe

GERMAN, per, Angew Chem, Vol LXX, 1949, pp 84-89.

Nat'l Res Council Canada TT 170

Scientific - Chemistry
JUL CTS/DMX Price 0.25

16,572

<p>Ziegler, Karl. 25 YEARS OF "STUDY OF TRIVALENT CARBON" (25 Jahre "Zur Kenntnis des Dreiwertigen Kohlen- stoffe"). 1958, 26p. 50 refs. Order from SLA m\$2.70, ph\$4.80 61-10062</p> <p>Trans. of Angew[andte] Chemie (West Germany) 1949, v. 61 [no. 5] p. 168-179.</p> <p>148,479</p> <p>(Chemistry--Organic, TT, v. 5, no. 7)</p>	<p>61-10062</p> <ol style="list-style-type: none">1. Free radicals--Chemical reactions2. Organic compounds--Chemical reactions <p>1. Ziegler, K.</p> <p>Office of Technical Services</p>
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The Chemistry of Acrylonitrile, by Otto Bayer, 3 pp.

No 6
GERMAN, Angew Chem, Vol LXI, 1949, */p* 230-241,

CIA/FDD/X-1333
SLA TT-64-10056 (38pp)

Chemistry
Scientific - ~~EXHIBIT~~

13,052
May CTS/DEX

TT-64-10054

Rein, H.
POLYACRYLONITRILE FIBERS. [1963] 12p 2]refs
Order from SLA \$1.60 TT-64-10054

I. Rein, H.

Trans. of Angew[andte] Chem[ie] (West Germany)
1949, v. 61, no. 8, p. 241-243.

DESCRIPTORS: *Acrylonitrile polymers, *Fibers
(Synthetic), *Textiles, *Orlon, Mechanical properties,
Wear resistance, Economics,

(Materials--Textiles, TT, v. 11, no. 5)

Office of Technical Services

The Syntheses of Tryptophan, by H. Hellman, 40 pp.

CHESMAN, per, Angew Chem, Vol LXXI, 1949, pp352-357

S. L. A. Tr 606/76

Sci - Chemistry

38,335

Aug 76 GDS/dax

Acceleration of Peroxide Decomposition by Amines,
by I. Horner, E. Schwenk.

GERMAN, per, Angew Chem, Vol LXI, No 10, 1949,
pp 411-412.

ATB @ 253-GJ

Sci
Nov 59

100,692

The Significance of Transamination in Metabolism,
by K. Heyns, 42 pp.

GERMAN, per, Angewandte Chemie, Vol LXI, No 12,
Dec 1949, pp 474-482.

NIH

Scientific - Biology

Jan 54 CTS

8656

Tetrahydrofuran Hydroperoxide, by E. Rein,
R. Criegee.

GERMAN, per, Angewandte Chemie, Vol LXII,
No 120, 1950.

CSIRO

Sci - Chem

Apr 62

192, 721

Synthesis and REaction Products of Acrolein, by
H. Schulz, H. Wagner, 50 pp.

GERMAN, per, ~~Angewandte Chemie~~, Vol LXII, No 5,
1950, pp 105-118.

SLA 59-17052

Sci
Jan 60
Vol 2, No 7

SLA TT- 64-10060

104,840

Synthesis and Products of Transformation of Acrolein,
by Schulz, H. Wagner, 17 pp.

GERMAN, per, Angew. Chem., Vol LXII, No 5, 1950,
pp 165-178

SIA Tr 57-1897

SLA 59-17052 (50pp - \$3.30)

SLA 62-18968 (30pp - \$2.60)

Sci

Jun 58

65,922

Impurities in Acetylene Carbide, by
A. Muller, 8 pp

GERMAN, per, Angewandte Chemie, Vol LXII,
1950, pp 166-167.

SLA 60-18055

SLA 62-18934

Sci
Feb 62

186, 810

Jander, G.
CHEMISTRY IN WATER-LIKE SOLVENTS AND
MOLTEN SALTS AS EXEMPLIFIED BY CHEMISTRY
IN MOLTEN MERCURIC BROMIDE. [1963] 22p 4refs
Order from SLA \$2.60
TT-63-20452

Trans. of [Angewandte Chemie] (West Germany) 1950
[v. 62, p. 264-268]. (Abstract available)

DESCRIPTORS: *Solvents, *Fused materials, *Mercury
compounds, *Bromides, Chemical properties, Physical
properties.

After an introduction and a discussion of the properties
of mercuric bromide, a description is given of illustra-
tive neutralization-analogous reactions, the behavior of
HgO, the molecular weight and conductivity of various
substances, the function of residual water of crystalliza-
tion, as well as solvolysis and amphoteric behavior in
molten mercuric bromide. (Author)

TT-63-20452

I. Jander, G.

(Chemistry-- Physical, TT,
v. 11, no. 6)
Office of Technical Services

Zimmerman, M.
PHOTOMETRIC PHOSPHATE DETERMINATION (Zur
Photometrischen Phosphorbestimmung). [1963] 7p.
(foreign text included) 2 refs.
Order from SLA \$1.10

63-16770

Trans. of Angewandte Chemie (West Germany) 1950,
v. 62, no. 12, p. 291-292.

DESCRIPTORS: *Phosphates, Chemical analysis,
Spectrophotometers, Iron, Sulfites.

(Chemistry--Analytical, TT, v. 10, no. 9)

63-16770

I. Zimmerman, M.

Office of Technical Services

KLING, W.
57-3065. The physics and chemistry of washing
Angew. Chem. 62, no.13-14, p.305-311, 1950.
(24p.)

The Chemistry of Reactions in Bromine Trifluoride,
by V. Gutmann

GERMAN, per, Angew Chem, Vol LXII, 1950, pp 312-315.

Nat'l Res Council Canada TT 221

Scientific - Chemistry

Jul CTS/DEX

Price 0.25

16,465

Preparation of "Wet Strength" Papers by
Addition of Synthetic Resins to Paper Pulp, by
H. Wilfinger, 26pp.

GERMAN, per, Angew Chemie, Vol LXII, No 17, 1958,
pp 405-409.

SLA Tr 840/1955

Sci - Chem

50,160

Jul 57

Meeting on the Occasion of the Fifty-Year Doctor
Jubilee of Professor Doctor Julius Meyer, Clau-
sthal, May 9 1950.

Full translation.

G-E R M A N, per, Angew Chem, Vol 62, 1950, pp 413-414.

AEC Tr 1230

Scientific - Miscellaneous

Meeting on the Occasion of the 50 Year Doctor Jubilee
of Prof. Dr. Julius Meyer, Clausthal, May 9, 1950.

GERMAN, per, Angew Chem, Vol IXII, 1950, pp 423-424.

AEC UCRL-T-122

Sci - Misc

Apr 60

115,088

Development (and Application) of Amalgam Chemistry,
by E. Kuss.

GERMAN, per, Angewandte Chemie, Vol LXII, No 22,
1950, pp 519-526.

34,049

Brutcher Tr

No 3649

SLA 63-18236 (27pp \$2.60)

\$12.75

Scientific - Chemistry

May 56 CTS/DEK

The Nitration of Cyclohexane, by Ch.
Grundmann, H. Haldenwanger, 7 pp.

GERMAN, per. Angew Chem, Vol LXII, No 23/24,
1950, pp 556-558.

ATS-03L36G
ATS/772-GJ

183, 486

Sci

Mar 62

The Chemistry and Photochemistry of the Terrestrial
Atmosphere, by P. Harteck, 29 pp. UNCLASSIFIED.

GERMAN, per, Angewandte Chemie, Vol LXIII, No 1, 1951,
pp 1-7.

Air Res and Dev Command
7-87-GV

Scientific - Chemistry

17,865

Some Newer Studies in the Vitamin Field, by
Prof Dr P. Karrer, 16 pp.

GERMAN, per. Angewandte Chemie, Vol LXIII, No 2,
1951, pp 37-40.

NIH

Scientific - Chemistry

7139

Nov 53 CTS

f1-10781

Spandau, H.
DETERMINATION OF THE PARTICLE WEIGHT OF
ORGANIC COMPOUNDS BY MEANS OF THE DIALY-
SIS METHOD; A CONTRIBUTION TO THE QUESTION
OF THE SOLVATION OF ORGANIC SUBSTANCES IN
SOLUTION (ABSTRACT). [1961] 9p. 1 ref.
Order from SLA mi\$1.80, ph\$1.80 f1-10781

Trans. of Angewandte Chemie (West Germany) 1951
[v. 63, no. 2] p. 41-43.

151854

1. Organic compounds--
Solubility
2. Solutions--Diffusion
3. Particles--Measurement
4. Diffusion--Analysis
1. Spandau, H.

Office of Technical Services

(Chemistry--Physical, TT, v. 5, no. 9)

The Chemical Structure of the "Activated Acetic Acid,"
by F. Lynen, Ernestine Reichert, 12 pp.

GERMAN, per, Angewandte Chemie, Vol. LXIII, No 2,
1951, pp 47, 48.

SLA 60-10555

Sci
Jun 60
Vol. LXIII, No 6

119,139

Narrowing of the Limits of Inflammability of
Hydrogen-Air Mixtures by Addition, by L. Sieg,
10 pp.

Full translation.

GERMAN, no per, Angew Chem, Vol LXIII, No 6, 1951, pp
143-146.

CIA/FDD Z-40

Scientific - Chemistry, hydrogen, air mixture
Feb 53 CIB ACSIL 558

62-25811

Thilo, E.
THE CONSTITUTION OF SILICATES, tr. by Bertha P.
Klenova. 2 July 51, 17p. 27 refs. TVA 3028.
Order from OTS or SLA \$1.60 62-25811

Trans. of Angew[andte] Chem[ie] (West Germany) 1951,
v. 63, p. 201-206.

DESCRIPTORS: *Minerals, *Silicates, Chemical
properties, Molecular structure, Calcium compounds,
Sodium compounds, Chemical reactions.

The structures and the principles of formation of most
silicate minerals are known, but knowledge of the
relationships between the chemical properties and the
construction principles of silicates is very scant. A
constitutional chemistry of silicates in the proper mean-
ing of the term does not exist, since methods for their
systematic formation and decomposition are not available.
(Earth Sciences--Mineralogy, TI, v. 9, no. 4) (over)

- I. Thilo, E.
- II. TVA-3028
- III. Tennessee Valley
Authority, Wilson Dam,
Ala.
- IV. 60-73273 canceled

10-31-62

Office of Technical Services

A Chromatographic Colorimetric Method for the
Determination of Very Small Quantities of Acids,
by H. Grasshof.

GERMAN, per, Angew Chem, Vol LXIII, No 9, 1951,
pp 219-220.

T.I.L. T.4519

Sci - Chemistry

35,713

Jun 1956

Retention Analysis V. Paperchromatography an
Ionophoresis of Hydroxy-Carboxylic Acids and
Their Quantitative Determination, by Th. Wieland,
Ursula Feld, 4 p.

GERMAN, per, Angew Chem, 1951, Vol LXIII, No 11,
pp 258-259.

SLA 60-10554

Sci
May 60
Vol 3, No 4

116 763

The Newest Methods for the Determination of the
Composition of the Bituminous Coal Tar, by H. G.
Franck.

GERMAN, per, Angewandte Chemie, Vol LXIII, No 11,
1951, pp 260-263.

Navy Tr 1247/NRL 536

Sci - Chemistry
Fuels

Nov 55 CTS/DEX

28,953

Pure Products From Coal Tar, by K. F. Lang, 4 pp.

GERMAN, per Angew Chem, Vol LXIXI, No 15, 1951,
pp 345-349.

S.L.A. Tr No 350/1955

Sci - Chemistry
Jan 1957 CTS/dex

44,985-

Moschel, W.
ON THE TECHNOLOGY OF MAGNESIUM PRODUCTION. [1963] 50p (figs omitted) 100refs
Order from SLA \$4.60 TT-64-14378

Trans. of Angewandte Chemie (West Germany) 1951,
v. 63, no. 17/18, p. 385-395.
Another trans. is available from SLA as II-249, 50p.

(Metallurgy--Light Metals, TT, v. 11, no. 11)

TT-64-14378

I. Moschel, W.

Office of Technical Services

62-25810

Weber, R.
REMOVAL OF SULFUR DIOXIDE FROM A CARBON
DIOXIDE GAS STREAM WITH MARBLE, tr. by
Bertha P. Klenova. 21 Feb 52 [8]p. 4 refs. TVA 3086.
Order from OTS or SLA \$1.10 62-25810

Trans. of Angew[andte] Chem[ie] (West Germany) 1951,
v. 63, p. 467-469.

DESCRIPTORS: *Carbon dioxide, Purification, *Sulfur
compounds, Dioxides, Absorbants, *Marble, Towers
(Chemistry).

In laboratory experiments to remove sulfur dioxide
from carbon dioxide, the carbon dioxide gas is sent up
from the bottom through a column packed with marble
chips and the water is added continuously at the top.
The purification effect has been investigated for a mar-
ble of definite grain size as a function of the amount of
(Chemistry--Inorganic, TT, v. 9, no. 4) (over)

- I. Weber, R.
- II. TVA-3086
- III. Tennessee Valley
Authority, Wilson Dam,
Ala.
- IV. 60-25298 canceled

10-16-62

Office of Technical Services

62-25809

Thilo, E.

THE CHEMISTRY OF CONDENSED PHOSPHATES, tr.
by Bertha P. Klenova. 15 Jan 52 [11]p. 39 refs.
TVA 3076.

Order from OTS or SLA \$1.60

62-25809

Trans. of Angew[andte] Chem[ie] (West Germany) 1951,
v. 63, p. 508-511.

DESCRIPTORS: *Phosphates, *Chemistry, Phosphoric
acids, Condensation reactions.

Important conclusions with respect to the constitution
were derived from the study of the structure of the
anions of condensed phosphoric acids. A division can
now be made into metaphosphates, polyphosphates,
isometaphosphates, and another group for which the
constitution has not been definitely established as yet.
Graham's and Kurrol salts belong to this latter group.
An important contribution was made to the chemistry of
the transformations of Kurrol salts. (Author)

- I. Thilo, E.
- II. TVA-3076
- III. Tennessees Valley
Authority, Wilson Dam,
Ala.
- IV. 60-23290 canceled

10-16-62

(Chemistry--Inorganic,
TT, v. 9, no. 10)
Office of Technical Services

Bjerrum, J.
THE NECESSITY OF A SPECIAL ANTIBASE CON-
CEPT: DISCUSSION OF THE CONCEPTS OF ACIDS
AND BASES, tr. by Bertha P. Klenova. 14 Feb 52 [11 p.
18 refs. TVA 3085.

Order from OTS or SLA \$1.60

62-25808

Trans. of Angew[andte] Chem[ie] (West Germany) 1951,
v. 63, p. 527-530.

DESCRIPTORS: *Acid-base equilibrium, Theory,
Oxidation-reduction reactions, Electron capture

62-25808

- I. Title: Antibases
- I. Bjerrum, J.
- II. Title: Discussion...
- III. TVA-3085
- IV. Tennessee Valley
Authority, Wilson
Dam, Ala.
- V. 60-23297 canceled

(Chemistry--Physical, TT, v. 9, no. 4)

10-16-62

Office of Technical Services

Amino Acid Decarboxylases, by Dr E. Werle, 37 pp.

GERMAN, per, Angewandte Chemie, Vol. LXIII, No 23/24,
1951, pp 550-555. CIA D 151148

NIE

Scientific - Chemistry

22,194

CTS 66/Mar. 1955.

The Adhesive Capacity of Powders and Its
Application to the Estimation of Particle
Size, by E. Cremer, et al, 9 pp.

GERMAN, per, Angew Chem, Vol LXIV, No 1,
1952, pp 10-11.

S.L.A. Tr 987

Sci - Chemistry

33,061

Apr 56

OTA 62-25861

Problems in Photochemical Synthesis, by
G. O. Schenck, 29 pp.

GERTMAN, per, Angew Chem, Vol LXIV, 1952,
pp 12-23.

NOT RELEASABLE TO FOREIGN NATIONALS

CIA/FDD XX-299

Sci - Chemistry
Jun 57

49,148

IAC INTERNAL USE ONLY

The Group Transferring Action of Disaccharide
Splitting Enzymes, by K. Wallenfels, E. Bernt, 7 pp.

GERMAN, per, Angew. Chem., Vol LXIV, No 1, 1953,
pp 28, 29.

SIA Tr 816/1955

Sci - Biol

50,176

Jul 57

Adduct Compounds of Cyclodextrin, by F. Cramer,
3 pp.

GERMAN, per, Angew Chem, Vol LXIV, 1952, p 136.

S.I.A. Tr No 1855

Sci - Chemistry, organic
Apr 57

#6,856

N-Trifluoro Acetyl Amino Acids, by F. Weygand, E.
Csendes, 5 pp.

GERDAN, per, Angew Chem, Vol LXIV, 1952, p 136.

MMH 9-21

Sci - Chem
Sep 59

97,400

Oriental Separation of Crystals, by Neuhaus.

GERMAN, per, Angewandte Chemie, Vol LXIV,
1952, pp 158-162.

CSINO GB 105

Sci - Chem
Apr 62

190,356

Hydrocarbon From Carbon Monoxide and Water, by
H. Kolbel, F. Engelhardt, 13 pp.

GERMAN, per, Angew Chem, Vol LXXIV, No 2, 1952.

S.L.A. Tr No 1871

Sci - Chemistry, inorganic

Apr 57

46,870

Bio Lab. T-508-1

R-8081-D
14 Mar 67

Protonenfreie ionisierende anorganische Lösungsmittel

By: Spandau, H.

From: Angewandte Chemie, V64(#4):93-120, '52 (28 pp)

German - est for wds:

Please translate and type 1 camera ready copy. Document
can be cut. Please make cover as sample attached.
T-508-1.

New Rapid Method of Halogen Determination in Organic Substances, R. Winkbold, 12p.

GERMAN, per, Angewandte Chemie, No 64, No 5, 1952, pp 133-135.
SLA TT-64-30942

333, 775

Sci
Jul 67

Machamer, H.
THE GUERBET REACTION AND ITS TECHNICAL
IMPORTANCE. [1963] [28]p. (figs. tables omitted)
206 refs.
Order from SLA \$2.60

63-18691

Trans. of Angew[andte] Chemie (West Germany) 1952,
v. 64, 21 Apr, p. 213-221.

DESCRIPTORS: *Alcohols, *Surface-active substances,
*Detergents, *Cleaning compounds, Alkylation,
Condensation reactions, Molecular isomerism.

(Materials, TT, v. 10, no. 11)

63-18691

1. Title: Guerbet reactions
I. Machamer, H.

TC -190

Office of Technical Services

Characteristics and Importance of Free Radicals,
by E. Miller, 74 pp.

CHRON, per, Angew Chem, Vol LXIV, No 9-10,
(Nov 13) 1952, pp 233-247.

SIA 57-239

Jul 58

69, 487

Kornith, E.
NEWER INORGANIC PIGMENTS. [1961] [12]p.
Order from SLA \$1.60 62-10040

Trans. of Angew[andte] Chemie (West Germany)
1952. v. 64, no. 9/10, p. 265-269.

DESCRIPTORS: *Pigments, *Inorganic substances.

The object of the investigation was an economical, cement-stable, inorganic blue pigment. Systematic treatment was successful in finding, in Manganese Blue, a technically satisfactory solution. In addition, different other blue pigments, consisting of binary (analogous to Rinmans green) or ternary oxide compounds, were found. The work was extended to rust-protective pigments and subsequently the ferrites of Pb and Ba, and especially of lead cyanamide were found to be very good rust-protective pigments.
(Author)

62-10040

I. Kornith, E.

(Chemistry--Inorganic, TT,
v. 7, no. 9)

Office of Technical Services

Alumino-organic Syntheses in the Field of Olefinic
Hydrocarbons, by K. Ziegler, 16 pp.

Full translation.

GERMAN, per Angew. Chem., Vol LXIV, 1952, pp 323-329.

S.L.A.

TT-64-20863
Scientific - Chemistry

60-18391
SWA-62-16697
63-18666
Aug 55

27,420

SLA-55-11
AL-841

Organo-Aluminum Syntheses With Olefinic Hydrocarbons,
by K. Ziegler, 19 pp,

per,
GERMAN, Angew. Chemie, Vol LXIV, pp 323-331, 1952.

CIA/TD/X-1557

21,434

Scientific - Chemistry Feb 55 (TS)

Design of Apparatus and Processing Techniques
in Modern Acetylene-and Carbon Monoxide
Chemistry, by Walter Reppe, 15pp
GERMAN, per, Angew Chem, Vol 21, 1952, No 245-
268, pp 340-359
SIA TT-64-20308

Sci - Eng
May 67

327,407

Conversion of Ultrasound Into Visible Images by
Means of a Thermally Actuated Color Change, by
H. H. Rust

GERMAN, per, Angewandte Chemie, Vol LXIV, No 11, 1952,
pp 308-311.

Brutcher Tr 3035

Scientific - Chemistry
CTS/DKX

Price \$5.90

7852

Diffusion in Solid Metals, by W. Seith, A. Kottmann,
UNCLASSIFIED

GERMAN, Angew. Chem., Vol 64, No 14, pp 379-391,
1952.

A.E.R.E., Harwell Tr No
11/3/5/265 OT/432

Scientific - Metallurgy

Index Aeronautics, February 1953

Introduction of Alkylsulfinyl Groups Into Organic
Compounds, by H. Erintzinger et al. 1 p.

UNCLASSIFIED

GERMAN, per, Angew Chem, Vol LXIV, 1952, p 398.

CIA/FDD/X-1508

Scientific - Chemistry

19,603

Purification of the Polymethanol Compounds of
Phenol, by J. Reese

GERMAN, per, Angew Chem, Vol LXIV, No 14, 1952,
pp 399-400.

C.D.E.E. Porton 131 OT/826

Scientific - Chemistry
CTS/DEK

17,803

Inclusion Compounds, by Friedrich Cramer,
18pp.
GERMAN, per, Angewandte Chemie, Vol 64,
No 16, 1952, pp 437-447.
CFSTI TT-64-18912.

322.318

Sci - Chemistry
Mar 67

61-25142

Ans, J. 'd and Mattner, J.
CATALYSIS OF COPPER HYDROXIDE IN HYDROGEN
PEROXIDE AND PERACETIC ACID SOLUTIONS AND
IN THE RASCHIG HYDRAZINE SYNTHESIS AND ITS
INHIBITION BY MEANS OF MAGNESIUM HYDROXIDE
[1961] 16p. 19 refs.
Order from ES \$7.00

Trans. of Angewandte Chem[ie] (West Germany)
1952, v. 64, p. 448ff.

DESCRIPTORS: Copper compounds, *Hydroxides,
Hydrogen compounds, *Peroxides, *Acetic acids,
*Catalysis, *Hydrazines, Synthesis, Magnesium com-
pounds, Chemical reactions.

(Chemistry--Inorganic, TT, v. 6, no. 6)

I. Ans, J. 'd
II. Mattner, J.
III. Stux, Erica, Akron, Ohio

176752

Office of Technical Services

New High Elastic Substance "Vulcollan", Part II, 9,
by E. Mueller, 34 pp. UNCLASSIFIED
Report on Polyurethanes,
GERMAN, per, Angewandte Chemie, Vol LXIV, 1952,
pp 523-531.

QMT 427

Scientific - Chemistry

Oct 53 CTS

6659

Artificial Fluorine Materials, by O. Horn,
W. Strack, 7 pp.

GERMAN, per, Angewandte chemie, Vol ~~XXXIX~~ LXIV,
1952, pp 533-536.

SLA Tr 1637

Sci - Chem
Apr 1957

46,192

OTS 62-25806

*Angewandte Chemie**order from NTC*

1952 V64 P611-612	70-23807
1952 V64 P661-670	70-23730
1952 V64 N21 P580-585	70-23734
1952 V64 N970 P233-247	70-23808
1953 V65 P97-107	70-23391
1953 V65 P586-598	70-21008
1953 V65 N4 P107-109	70-23393
1953 V65 N5 P131-135	70-23392
1953 V65 N7 P186-187	70-11923
1956 V68 P486-491	70-10570
1957 V69 P322-333	70-23731
1958 V70 P439	70-23493 <*>
1959 V71 N24 P775	70-11058-07C
1960 V72 N6 P210	70-10139-07C
1962 V74 P563-569	70-13484-11E

Activation Analysis, by W. Herr, 25 pp.

GERMAN, per, Angew Chem, Vol LXIV, No 24, 1952,
pp 679-685.

SLA Tr 3029

Sci - Chemistry
Feb 58

59,538

The Role of Atmospheric Nitrogen in Maintaining Life
on Earth, by Prof Dr Atutri I. Virtanen, 35 pp.

Full translation.

FRENCH, per, Angewandte Chemie, Vol LXV, No 1,
7 Jan 1953, pp 1-11.

CIA/FDD/X-952

Scientific - Biology

3667

New Results in Preparative Hydride Research, by
Egen Wiberg, 35 pp.

GERMAN, per, Angew Chem, Vol LXV, 1953, pp 16-33.

AEC Tr 1931

SLA 833/1953 SWA 63-10571

Scientific - Chemistry
Jul /CPS/DEK

16,478

62-25805

Dewald, W. and Schmidt, H.
PHOSPHATE GLASSES AND THEIR TECHNICAL
EVALUATION, tr. by Bertha P. Klenova. 24 Mar 53.
9p. 9 refs. TVA 3179.
Order from: **APPROVED FOR RELEASE: Tuesday, June 04, 2002**

Trans. of Angewandte Chemie (West Germany) 1953,
v. 65, p. 78-81.

DESCRIPTORS: *Glass, Test methods, *Phosphates,
Sodium compounds, *Soaps, Calcium compounds,
Fatty acid esters.

Phosphate glasses with a mole ratio $\text{Na}_2\text{O}:\text{P}_2\text{O}_5 = 1:1$ to
5:3 may contain in complex solution calcium, magne-
sium, and other metals. The dissolving power for
calcium oleate at room temperature, for glasses with a
mole ratio 1:1 to 7:5, is approximately the same but at
higher temperatures there is a pronounced optimum at
(Materials--Ceramics, TT, v. 9, no. 4) (over)

I. Dewald, W.
II. Schmidt, H.
III. TVA 3179
IV. Tennessee Valley
Authority, Wilson Dam,
Ala.
V. 60-23338, canceled

10-16-62

Office of Technical Services

01140031-4

62-25804

Wickhold, R.
PHOTOMETRIC TURBIDITY TITRATION FOR DETERMINATION OF MINIMUM AMOUNTS OF SULFATE, tr. by Bertha P. Klenova. 22 Apr 53. 7p. 2 refs. TVA 3187.

Order from OTS or SLA \$1.10

62-25804

Trans. of Angewandte Chemie (West Germany) 1953, v. 65, p. 159-161.

DESCRIPTORS: *Sulfates, Determination, Titration, Turbulence, Photometers, Barium compounds, Chlorides.

The determination of sulfate by photometric turbidity titration with barium chloride, described by Ringbom, has been applied to amounts of sulfate, ranging two decimal powers lower. The method then gains in importance for the determination of traces of sulfur in organic compounds by the combustion method. These and other uses are discussed. (Author)
(Chemistry--Analytical, TT, v. 9, no. 4)

- I. Wickhold, R.
- II. TVA-3187
- III. Tennessee Valley Authority, Wilson Dam, Ala.
- IV. 60-23342, canceled

10-16-62

Office of Technical Services

62-25803

Parat, F.
THEORY AND REALITY IN POLYMERIZATION RE-
ACTIONS, tr. by Bertha P. Klenova. 27 Apr 53, 15p.
5 refs. TVA 3188.
Order from OTS or SLA \$1.60

62-25803

Trans. of Angew[andte] Chem[ie] (West Germany) 1953,
v. 65, p. 173-178.

DESCRIPTORS: Chemical reactions, *Polymerization,
Theory, Chain reactions, *Phosphorus compounds,
*Nitriles, Chlorides, *Ethylene oxide, Phenols,
Reaction kinetics.

A theoretical description of polymerization as a chain
reaction related to the chlorine detonating gas chain is
followed by a discussion of the available quantitative data
on polymerization reactions (starting, terminating,
growth, and transfer reactions). The examples include
(Chemistry--Analytical, TT, v. 9, no. 4) (over)

- I. Parat, F.
- II. TVA-3188
- III. Tennessee Valley
Authority, Wilson Dam,
Ala.
- IV. 60-23343, canceled

10-16-62

Office of Technical Services

Spandau, Hans and Brunneck, Edgar.

DETERMINATION OF THE PARTICLE WEIGHT OF
ORGANIC COMPOUNDS WITH THE AID OF THE
DIALYSIS METHOD. II. DIALYSIS MEASUREMENTS
IN BENZENE. [1952] 17p.

Order from K-H \$21.25

K-H 3280-d

Trans. of Angew[andte] Chemie (West Germany) 1953,
v. 65, 7 Apr, p. 183-186.

DESCRIPTORS: Determination, *Molecular weight,
*Particles, *Organic compounds, Electrodialysis.

(Chemistry--Organic, TT v. 8, no. 8)

62-22763

- I. Spandau, H.
- II. Brunneck, E.
- III. Title: Dialysis...
- IV. K-H-3280-d
- V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Detection of Phosphate-Bearing Roasting
Additives in Meat Products, by R. Grau, R. Horn,
Anneliese Brannan, 2 pp.

CHESAN, per, Angew Chem, Vol LXV, 1953, No 2,
p 242.

NOT RELEASABLE TO FOREIGN NATIONALS
CIA/FID XX-192

Sci - Chemistry
Sep 56 CTS/Box

38,547

IAC INTERNAL USE ONLY

Protein Synthesis in Yeast Cells, by Dr Fritz
Turba, Herbert Esser, 4 pp.

GERMAN, per, Angewandte Chemie, Vol LXV, No 10,
May 21, 1953, pp 256, 257.

NIH

Scientific - Chemistry

CTS/DSK

17,904

Inorganic High Polymers, by Dr. H. Specker,
10 pp.

GERMAN, per, Angew Chem, Vol LXV, 1953,
pp 299-303.

29,489

CIA/FDD/X-1941

Scientific - Chemistry

Dec 55 CTS/DEX

62-18702

I. Herr, W.

Herr, W.
CARRIER-FREE SEPARATION OF THE RADIO-
ISOTOPES OF RARE EARTHS OBTAINED BY NEU-
TRON CAPTURE REACTION. [1962] 6p. 11 refs.
Order from SLA \$1.10 62-18702

Trans. of Angewandte Chemie (West Germany) 1953,
v. 65 [no. 11] p. 303-304.

DESCRIPTORS: *Isotope separation, *Radioactive iso-
topes, Tracer studies, *Rare earths, *Neutron capture,
Neutron reactions

(Nuclear Physics--Isotope Separation, TT, v. 9, no. 11)

Office of Technical Services

Angewandte Chemie

1953, Vol 65, pp 315-319

nto 70-15385-07C

62-25800

Treiber, E. and Schurz, J.
 RADIOGRAPH REQUIREMENTS FOR QUANTITATIVE
 INVESTIGATIONS: CONTRIBUTION TO THE KNOWL-
 EDGE OF THE NUMERICAL INTENSITY FILM
 CURVE IN EXPOSURES WITH X-RAYS AND OF THE
 CONDITIONS FOR THE DEVELOPING OF X-RAY
 FILMS, tr. by Bertha P. Klenova. 2 Oct 52 [12]p.
 27 refs. TVA 3131.
 Order from OTS or SLA \$1.60

62-25800

Trans. of Angew[andre] Chem[ie] (West Germany) 1953,
 v. 65, p. 453-457.

DESCRIPTORS: *Radiography, Radiographic film,
 *X-ray photography, X rays, Intensity, *Photographic
 film, Density, Photographic processors, Photographic
 emulsions, Photographic chemicals, Antifogging agents,
 Electron microscopy, Quantitative analysis.
 (Materials--Photographic, TT, v. 9, no. 6) (over)

- I. Treiber, E.
- II. Schurz, J.
- III. Title: Contribution ...
- IV. TVA-3131
- V. Tennessee Valley
 Authority, Wilson Dam,
 Ala.
- VI. 60-23316, canceled

10-12-62

Office of Technical Services

Angewandte Chemie

1953, Vol 65, pp 549-555 ntc 70-15381-07B

New Desoxy Sugars as Building Stones of Polysaccharide Symplexes of Gram-Negative Bacteria. Tyvelose and Abequose, by Dr O. Westphal, Dr O. Luderitz, Dr I. Fromme, Dr N. Joseph, 9 pp.

GERMAN, per, Angew Chem, Vol LXV, 1953, pp 555-557.

NIE

Scientific - Biology

17,890

CTE/DEX

62-25801

D'Ans, J. and Knüttler, R.
RANGES OF EXISTENCE OF DICALCIUM PHOS-
PHATES AND APATITE IN THE SYSTEM
 $\text{Ca}(\text{OH})_2\text{-H}_3\text{PO}_4\text{-H}_2\text{O}$ AT 25°C, tr. by Bertha P. Klenova.
16 Mar 54, 8p. 18 refs. TVA 3265.
Order from OTS or SLA \$1.10

62-25801

Trans. of Angew[andte] Chem[ie] (West Germany) 1953,
v. 65 [no. 23] p. 578-581.
Another trans. is available from ATS \$9.20 as
ATS-39L30G [1959] 7p.

DESCRIPTORS: *Minerals, *Apatite, *Calcium com-
pounds, *Phosphates, Hydroxides, Solubility, Chemi-
cal precipitation, Crystallization.

Determinations of the stable and metastable solubilities
of $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$, and of the stable solubilities of hy-
droxyapatite and CaHPO_4 , at 25°C. are discussed. The
Earth Sciences--Mineralogy, TT, v. 9, no. 6) (over)

- I. D'Ans, J.
- II. Knüttler, R.
- III. TVA-3265
- IV. Tennessee Valley
Authority, Wilson Dam,
Ala
- V. 60-23377, canceled

(CIA/FDD xx-193)
(CIA ONLY mpp)

10-16-62

Office of Technical Services

CHOICE OF SOLVENTS FOR THE DISTRIBUTION BETWEEN
TWO LIQUID PHASES, BY F. A. METZSCH.

GERMAN, PER, ANGEWANDTE CHEMIE, VOL LXV, NO 23,
1953, PP 586-598.

DEPT OF INTERIOR
AC5 E57 NO 15

NTC 70-21008

SCI - CHEM

OCT 62

213,107

Chemistry and Energetics of Plant Photosynthesis,
by H. Holzer, 43 pp.

GERMAN, per, Angew Chem, Vol LXVI, 1954, pp 65-75.

5-15

NIH Tr ~~50x~~

Sci - Biol

48,024

May 57

Selective Action Through Ion Change, by R. Griessach.

GERMAN, per, Angew Chem, Vol LXVI, No 1, 1954, pp
17-27.

SLA TT-64-20493 ASLJB-0229

Sci

Jul 59

92,594

Scheel, K. C.
RAPID DETERMINATION OF POTASSIUM IN POT-
ASH SALTS BY RADIATION MEASUREMENT. [1963]
[10]p. 13 refs.
Order from SLA \$1.10

63-14615

Trans. of Angew[andte] Chem[ie] (West Germany) 1954,
v. 66, no. 4, p. 102-106.

DESCRIPTORS: *Radiochemistry, *Potassium, Radio-
active isotopes, Measurement, Potassium compounds,
Hydroxides, Salts, Chemical analysis, Radiation
measuring devices, *Beta counters, *Nuclear in-
dustrial applications.

(Nuclear Physics and Nuclear Chemistry, TT, v. 10,
no. 4)

63-14615

I. Scheel, K. C.

Office of Technical Services

Quantitative Combustion of Organic Substances
Containing Fluorine, by R. Wickbold.
GERMAN, per, Angew. Chemie, Vol 66, No 6, 1954,
pp 173-174.
(NRC/Ref: C-4953)

Sci -
Aug 67

339,913

Oxide Systems With Interesting Electrical
and Magnetic Properties, by E. J. W. Verwey

GERMAN, no per, Angewandte Chemie, Vol LXVI,
No 7, 1954, pp 189-192.

Navy Tr 1433/NRL 589

Sci - Chemistry
Jan 57 CTS

42, 284

Conductimetric Determination of Sulphate,
by F. Spillner, U. Voight,

GERMAN, per, *Angew. Chem*, Vol LXVI⁷⁰(7), 1954,
pp 198-210. *Ne*

TPA3/TIB T4488

30,865

Sci - Chemistry

Chemistry and Biology of Carbonic Anhydrase, by R.
Gibian, 10 pp.

GERMAN, per, Angewandte Chemie, Vol LXVI, No 9, 1954,
pp 249-258.

Navy/MRL No 850

2865

Sci - Chem
Aug 61

162,424

Preparation and Properties of Polymers Containing
Fluorine, by G. Bier, R. Schaff, E. H. Kahrs,
20 pp.

GERMAN, per, Angew Chem, Vol LXVI, 1954, pp 285-292.

CIA/FID/K-1528

20.343

Scientific - Chemistry

Dec 54 CTS/DEX

The Preparation of Borosilicones, by E.
Wilberg, U. Krurke, *3 pp*

GERMAN, per, Angew Chemie, Vol LXVI,
No 12, 1954, pp 339-340.

SLA 60-16819

Sci

Feb 62

On Rauwolfia Alkaloids, by E. Schlittler, 22 pp.

~~GERMAN~~
~~German~~, per, Angew. Chemie, Vol LXVI, 1954, pp 386-390.

S.L.A. Tr 138/1956

33,926

Scientific - Chemistry

Angewandte Chemie

1954, Vol 66, pp 581-586

nto 70-14691-07B

Haszeldine, R. N.
RECENT CHEMISTRY OF FLUORINE: ORGANO-
METALLIC AND ORGANOMETALLOID COMPOUNDS
OF FLUORINE. [1962] 34p (fig omitted 7refs
Order from SLA \$3.60 TT-64-14685

Trans. of Angew[andte] Chemie (West Germany) 1954,
v. 66, p. 693-701.

Another trans. is available from K-H \$42.50 as
K-H-3382-c [1962] 34p.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-14685

I. Haszeldin, R. N.
II. Title: Organometallic ...

Office of Technical Services

Chemical Study of Lipopolysaccharides of Gram
Negative Bacteria, by O. Westphal, O. Luderitz,
40 pp.

GERMAN, per, Angew Chem, Vol LXVI, 1954, pp 407-
417.

SLA 58-175

Sci
Jul 59

93,066

Polyphosphoric Acid, a New Cyclization Agent in Preparative Organic ~~SYNTHESIS~~ Chemistry, by Dr. Fritz Uhlig, 8 pp.

GERMAN, per, ~~Angew. Chem.~~ Vol VI, No 15, 1954, pp 435, 436.

RII

Scientific - Chemistry

32,216

Jun 56 CTB

Dept of Comm

Translation of The Synthesis of Diamonds,
by A. Neuhaus, 39 pp

GERMAN, per, Angew. Chem, Vol LXVI, 1954,
pp 525-538.

5

CIA/TID/X-1591

22,866

Scientific - Chemistry Apr 55 WTS

Photosynthesis of Enzymes, by Otto Warburg,
Günter Krippahl, 18 pp.

GERMAN, per, Angewandte Chemie, Vol LXVI, No 17/18,
1954, pp 493-496.

NIR

Scientific - Chemistry

Nov 54 CTS

19,558

Hein, F. R. and Herzog, S.
CONTRIBUTION TO THE COORDINATION CHEM-
ISTRY OF CHROMIUM FORMATION SECTION.
[1961] 1p.

Order from SLA \$1.10

62-10416

Trans. from Angewandte Chemie (West Germany)
1954 [v. 66, no. 19].

DESCRIPTORS: *Chemistry, *Chromium, Valence,
Vanadium, Magnesium

(Chemistry--Inorganic, TT, v. 7, no. 8)

62-10416

I. Hein, F. R.
II. Herzog, S.

Office of Technical Services

Determination of Chloride and Bromide in Halide
Mixtures, by C. Mahr, H. Otterbein.

GERMAN, par, Angew Chem, Vol LXVI, No 20, 1954,
pp 636-638.

C. S. I. R. O. T4469

Sci1

SLR 62-10904

May 60

115,681

Recent Chemistry of Fluorine Organometallic and
Organometalloid Compounds of Fluorine, by R. E.
Hasselidine, 34 pp.

GERMAN, per, Angew Chem, Vol LXVI, 21 Nov 1954,
pp 693-701.

S.L.A. Tr No 1860

Sci - Chemistry, inorganic
Apr 57

K-H 3382c
46, 869